

STEREO MOC Status Report
Time Period: 2014:167 - 2014:173

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 169, during the DSS-55 support, turbo decoder lock was lost at 0603z. This anomaly resulted in the loss of 852 frames of SSR data. See DR #N109618 for more information.
- On day 171, during the DSS-65 support, telemetry lock was lost intermittently between 1038z through 1314z due to rain. This anomaly resulted in the loss of 3290 frames of SSR data. See DR #M108037 for more information.
- On day 173, for the DSS-14 support, the transmitter was declared red prior to the start of the track at 1755z. This anomaly resulted in the loss of all commanding and two-way tracking data for the duration of the support. All SSR data was received. See DR# G115164 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 171, G&C parameters version 1.3.1 and MOps macros 1.1.21 were loaded to EEPROM in preparations for solar conjunction testing to commence on day 187.
- The average daily SSR playback volume for Ahead was 3.6 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 167, during the DSS-63 support, turbo decoder lock was lost briefly at 0804z. This anomaly resulted in the loss of one frame of SSR data.
- On day 170, during the DSS-24 support, turbo decoder lock was lost intermittently between 171-0010z and 171-0217z. This anomaly resulted in the loss of 44 frames of SSR data.
- On day 171, during the DSS-34 support, turbo decoder lock was lost briefly at 2302z. SSR pointers were repositioned and all SSR data was received.
- On day 172, during the DSS-25 support, the transmitter tripped off at 1532z. The subsequent transition from 2-way to 1-way resulted in the loss of 599 frames of SSR data. To avoid further data loss, MOps requested to remain 1-way for the remainder of the track. Later in the support, telemetry lock was lost from 2129z through 2143z due to an anomaly with the downlink channel control processor. These anomalies resulted in a total loss of 915 frames of data. See DR #G115158 and 60 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 4.1 Gbits during this week.